

Amendments to the Claims:

1. (Currently amended): ~~[[A]] An isolated or purified~~ nucleic acid encoding the 26 kD *Lawsonia intracellularis* protein ~~of claim 6, or a part of said nucleic acid that encodes an immunogenic fragment of said protein: of SEQ ID NO:2.~~
2. (Previously presented): A DNA fragment comprising a nucleic acid according to claim 1.
3. (Previously presented): A Recombinant DNA molecule comprising a nucleic acid according to claim 1 under the control of a functionally linked promoter.
4. (Previously presented): A live recombinant carrier comprising a nucleic acid according to claim 1.
5. (Currently amended): ~~[[A]] An isolated~~ host cell comprising a nucleic acid according to claim 1.

Claims 6 – 16 (Canceled).

17. (Previously presented): The nucleic acid of claim 1, comprising the sequence of SEQ ID NO.1.

Claims 18 – 19 (Canceled).